

ABSTRACT

A data communication method and system are provided for communications over a channel that consists of multiple sub-channels. A data communication system is provided with a transmission channel having transmission sub-channels for transmitting and receiving data, the system comprising: a first terminal for transmission of data on one or more of a first plurality of sub-channels; a second terminal for transmission of data on one or more of a second plurality of sub-channels wherein the first plurality of sub-channels and the second plurality of sub-channels are partially overlapping such that at least one sub-channel is shared by the first terminal and the second terminal and at least one sub-channel is not shared by the first terminal and the second terminal; and a control mechanism for allocating data transmission between the sub-channels. A method of data transmission in a communication system is also provided. Other methods and systems are also provided.